**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/627140
Filing Date	July 25, 2003
First Named Inventor	DW Piotrowski
Art Unit	1614
Examiner Name	unknown
Attorney Docket Number	01085.US1

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

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|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | A return-receipt postcard is enclosed. 1449 form. |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | International Search Report with references. |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Pharmacia & Upjohn Company, Mary J. Hosley, Reg. No. 48,324
Signature	<i>Mary J. Hosley</i>
Date	February 9, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Carolyn Vander Molen		
Signature	<i>Carolyn Vander Molen</i>	Date	February 9, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2004 <small>Effective 01/01/2003. Patent fees are subject to annual revision.</small>		Complete if Known	
		Application Number	10/627140
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	July 25, 2003
TOTAL AMOUNT OF PAYMENT (\$) 180.00		First Named Inventor	DW Piotrowski
		Examiner Name	unknown
		Art Unit	1614
		Attorney Docket No.	01085.US1

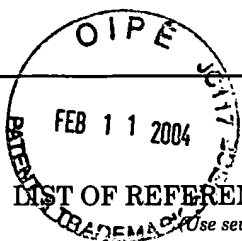
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																															
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES																															
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 21-0718 Deposit Account Name: Pharmacia & Upjohn Company		Large Entity Small Entity																															
The Director is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.																																	
1. BASIC FILING FEE																																	
<table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1001 750</td><td>2001 375</td><td>Utility filing fee</td><td></td></tr><tr><td>1002 330</td><td>2002 165</td><td>Design filing fee</td><td></td></tr><tr><td>1003 520</td><td>2003 260</td><td>Plant filing fee</td><td></td></tr><tr><td>1004 750</td><td>2004 375</td><td>Reissue filing fee</td><td></td></tr><tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="2">SUBTOTAL (1)</td><td></td><td>(\$0.00)</td></tr></tbody></table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001 750	2001 375	Utility filing fee		1002 330	2002 165	Design filing fee		1003 520	2003 260	Plant filing fee		1004 750	2004 375	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1)			(\$0.00)				
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE																																	
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		1051 130 2051 65 Surcharge - late filing fee or oath																															
		1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet																															
		1053 130 1053 130 Non-English specification																															
		1812 2,520 1812 2,520 For filing a request for <i>ex parte</i> reexamination																															
		1804 920* 1804 920* Requesting publication of SIR prior to Examiner action																															
		1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action																															
		1251 110 2251 55 Extension for reply within first month																															
		1252 410 2252 205 Extension for reply within second month																															
		1253 930 2253 465 Extension for reply within third month																															
		1254 1,450 2254 725 Extension for reply within fourth month																															
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		1401 320 2401 160 Notice of Appeal																															
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		1403 280 2403 140 Request for oral hearing																															
		1451 1,510 1451 1,510 Petition to institute a public use proceeding																															
		1452 110 2452 55 Petition to revive - unavoidable																															
		1453 1,300 2453 650 Petition to revive - unintentional																															
		1501 1,300 2501 650 Utility issue fee (or reissue)																															
		1502 470 2502 235 Design issue fee																															
		1503 630 2503 315 Plant issue fee																															
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		1807 50 1807 50 Processing fee under 37 CFR 1.17(q)																															
		1806 180 1806 180 Submission of Information Disclosure Stmt																															
		8021 40 8021 40 Recording each patent assignment per property (times number of properties)																															
		1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))																															
		1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))																															
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		Other fee (specify) _____																															
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		SUBTOTAL (3)		(\$ 180.00)																													

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Mary J. Hosley	Registration No. (Attorney/Agent)	48,324
Signature	<i>Mary J. Hosley</i>	Telephone	(269) 833-0975
		Date	February 9, 2004

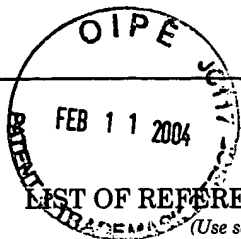
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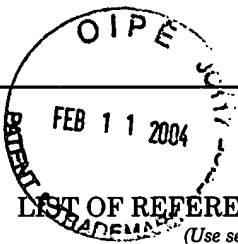
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LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				Atty. Docket No. 01085.US1		Serial No. 10/627,140			
				Applicant Piotrowski et al.					
				Filing Date 25 July 2003		Group 1614			
U.S. PATENT DOCUMENTS									
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
	AA	US 2002/0042429 A1	Apr. 11, 2002	Myers, et al.	514	305			
	AB	5,977,144	Nov. 2, 1999	Edwin Meyer, et. al.	514	334			
	AC	5,837,489	Nov. 17, 1998	Kathryn J. Elliott, et. al.	435	69.1			
	AD	5,712,270	Jan. 27, 1998	Annmarie L. Sabb	514	212			
	AE	5,624,941	Apr. 29, 1997	F Barth et al.	514	326			
	AF	5,561,149	Oct. 1, 1996	Moise Azria, et. al.	514	397			
	AG	5,510,478	Apr. 23, 1996	Annmarie L. Sabb	540	585			
	AH	5,364,863	Nov. 15, 1994	ML Cohen, et. al.	514	304			
	AI	5,342,845	Aug. 30, 1994	S Chokai, et. al.	514	305			
	AJ	5,273,972	Dec. 28, 1993	G, E. Jagdmann, et. al.	514	210			
	AK	5,246,942	Sep. 21, 1993	RD. Youssefyeh, et. al.	514	305			
	AL	5,237,066	Aug. 17, 1993	N. A. M. Dorme, et. al.	546	133			
	AM	5,236,931	Aug. 17, 1993	G.E. Jagdmann, et. al.	514	305			
	AN	5,217,975	Jun. 8, 1993	HJ Wadsworth, et. al.	514	299			
	AO	5,206,246	Apr. 27, 1993	Michel Langlois, et. al.	514	272			
	AP	5,183,822	Feb. 2, 1993	I. Van Wijngaarden, et. al.	514	305			
	AQ	5,175,173	Dec. 29, 1992	Jung-Hui Sun	514	305			
	AR	5,106,843	Apr. 21, 1992	T. J. Ward, et. al.	514	213			
	AS	5,070,095	Dec. 3, 1991	G. E. Jagdmann, Jr., et. al.	514	305			
	AT	5,057,519	Oct. 15, 1991	Stacy N. Suberg	514	282			
	AU	5,039,680	Aug. 13, 1991	Assunta Imperato, Dietmar Romer	514	304			
	AV	5,025,022	Jun. 18, 1991	R. J. Naylor, et. al.	514	305			
	AW	5,017,580	May 21, 1991	R. J. Naylor, et. al.	514	299			
	AX	4,988,691	Jan. 29, 1991	G Benelli, et. al.	514	214			
	AY	4,921,982	May 1, 1990	Marlene L. Cohen, William B. Lacefield, David W. Robertson	549	462			



LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				Atty. Docket No. 01085.US1		Serial No. 10/627,140			
				Applicant Piotrowski et al.					
				Filing Date 25 July 2003		Group 1614			
	AZ	4,835,162	May 30, 1989	Leo G. Abood	514	305			
	BA	4,822,795	Apr. 18, 1989	FD King	514	214			
	BB	4,803,199	Feb. 7, 1989	Peter Donatsch, Gunter Engel, Bruno Hugli, Brian P. Richardson, Paul A. Stadler	514	214			
	BC	4,798,829	Jan. 17, 1989	Francis D. King, Karen A. Joiner	514	214			
	BD	4,789,673	Dec. 6, 1988	P Donatsch, ET AL.	514	214			
	BE	4,721,720	Jan. 26, 1988	Gordon Wootton, Gareth J. Sanger	514	304			
	BF	4,657,911	Apr. 14, 1987	Thierry F. Imbert, Nicole A. M. Dorme, Michel Langlois	514	272			
	BG	4,605,652	Aug. 12, 1986	WJ Welstead, Jr.	514	214			
	BH	3,702,324	Nov. 7, 1972	Wilfred A. Skinner, John G. Johansson, Howard L. Johnson	260	293.53			
FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Subclass	Translation		
							Yes	No	
	BI ✓	WO 03/029252	April 10, 2003	WIPO	C07D	453/02			
	BJ ✓	WO 01/60821	August 23, 2001	WIPO	C07D	453/02			
	BK ✓	WO 01/36417 A1	May 25, 2001	WIPO	C07D	451/04			
	BL ✓	WO 00/73431 A2	Dec. 7, 2000	WIPO	C12N	15/00			
	BM ✓	WO 98/54189	Dec. 3, 1998	WIPO	C07D	491/20			
	BN ✓	WO 97/30998	August 28, 1997	WIPO	C07D	453/02			
	BO ✓	WO 92/15579	Sep. 17, 1992	WIPO	C07D	451/00			
	BP ✓	WO 92/11259	July 9, 1992	WIPO	C07D	451/04			
	BQ ✓	WO 90/14347 (with translated version)	November 29, 1990	WIPO	C07D	453/02	English and Japanese Version		

 LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. 01085.US1		Serial No. 10/627,140				
				Applicant Piotrowski et al.						
				Filing Date 25 July 2003		Group 1614				
	BR ✓	EP 247,266 A1	Dec. 02, 1987	Europe	C07D	451/04				
	BS ✓	EP 327,335 A1	Aug. 9, 1989	Europe	A61K	31/435				
	BT ✓	EP 378,111 A1	July 18, 1990	Europe	C07D	413/12				
	BU ✓	EP 512,350 A2 (with translated version)	November 11, 1992	Europe	C07D	453/02	English and German Version			
	BV ✓	DE 3810552A1 (with translated version)	October 19, 1989	Germany	C07D	451/12	English and German Version			
	BW ✓	FR 2625678	January 13, 1988	France	A61K	31/435	English and French Version			
	BX ✓	JP 04-247081	September 3, 1992 Japan	Japan	C07D	451/04	English and Japanese			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)										
	BY ✓	Bannon, A. W., et. al., Science, "Broad-Spectrum, Non-Opioid Analgesic Activity by Selective Modulation of Neuronal Nicotinic Acetylcholine Receptors", Vol. 279, 77-81, 1998.								
	BZ ✓	Holladay, Mark W., et. al., <i>Journal of Medicinal Chemistry</i> . "Neuronal Nicotinic Acetylcholine Receptors as Targets for Drug Discovery", 1997, Vol. 40, No. 26, 4169-4194								
	CA ✓	Kem, William R., <i>Behavioural Brain Research</i> . "The brain alpha 7 nicotinic receptor may be an important therapeutic target for the treatment of Alzheimer's disease: studies with DMXBA (GTS-21)." 113 (2000) 169-181.								
	CB ✓	Macor, J. E., et. al., <i>Bioorganic & Medicinal Chemistry Letters</i> . "The 5-HT ₃ Antagonist Tropisetron (ICS 205-930) is a Potent and Selective α7 Nicotinic Receptor Partial Agonist." 11 (2001) 319-321.								
Examiner				Date Considered						